

Active Recombinant Mouse Mmp9 Protein, His-tagged

Cat. No. Mmp9-561M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mmp9 fused with His tag at N-terminal was expressed in HEK293.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the matrix metalloproteinase family of extracellular matrix-degrading enzymes that are involved in tissue remodeling, wound repair, progression of atherosclerosis and tumor invasion. The encoded preproprotein undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme that degrades collagens of type IV, V and XI, and elastin. Mice lacking the encoded protein exhibit an abnormal pattern of skeletal growth plate vascularization and ossification, reduced keratinocyte hyperproliferation at all neoplastic stages, a decreased incidence of invasive tumors, and resistance to experimental autoimmune encephalomyelitis.
Form	25 mM TRIS, 10 mM CaCl ₂ , 150 mM NaCl, pH7.5
Bio-activity	Mouse MMP-9 cleaves the peptide substrate Mca-PLGL(Dpa)AR with a specific activity value higher than 1000 pmol/g/min after activation.
Molecular Mass	81 kDa
Endotoxin	Less than 1 ng per g protein as determine by the LAL method.

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Purity >90%, as determined by Coomassie stained SDS-PAGE.

Concentration Protein formulated and vialled at >50 ug/mL in specified buffer

GENE INFORMATION

Gene Name [Mmp9 matrix metalloproteinase 9 \[Mus musculus \]](#)

Official Symbol [Mmp9](#)

Synonyms MMP9; matrix metalloproteinase 9; matrix metalloproteinase-9; GELB; Gel B; gelatinase B; 92kD gelatinase; 92kDa gelatinase; 92 kDa gelatinase; collagenase type IVB; 92kD type IV collagenase; 92kDa type IV collagenase; 92 kDa type IV collagenase; matrix metalloproteinase 9; Clg4b; MMP-9; B/MMP9; AW743869; pro-MMP-9;

Gene ID [17395](#)

mRNA Refseq [NM_013599](#)

Protein Refseq [NP_038627](#)

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